

TEST REPORT

Report Number: R14204340-E4

- Applicant : Stryker Instruments 1941 Stryker Way Portage, MI 49002, USA
 - Model : System 9
 - FCC ID : Q9R-9110120550
- **EUT Description** : Sterile Battery Charger
- Test Standard(s) : FCC 47 CFR PART 15 SUBPART C

Date Of Issue: 2022-08-16

Prepared by:

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REVISION HISTORY

| Ver. | lssue Date | Revisions | Revised By |
|------|---------------|-----------------------------------------------------------------------------------|--------------|
| 1 | 2022-06-02 | Initial Issue | Brian Kiewra |
| 2 | 2022-08-16 | Revised table in Section 2 and header for Section 8 to state emissions bandwidth. | Brian Kiewra |

Page 2 of 20

TABLE OF CONTENTS

| REVISION HISTORY | 2 |
|----------------------------------------------------------|----|
| TABLE OF CONTENTS | 3 |
| 1. ATTESTATION OF TEST RESULTS | 4 |
| 2. TEST RESULTS SUMMARY | 5 |
| 3. TEST METHODOLOGY | 5 |
| 4. FACILITIES AND ACCREDITATION | 5 |
| 5. DECISIONS RULES AND MEASUREMENT UNCERTAINTY | 6 |
| 5.1. METROLOGICAL TRACEABILITY | 6 |
| 5.2. DECISION RULES | 6 |
| 5.3. SAMPLE CALCULATION | 6 |
| 5.4. MEASUREMENT UNCERTAINTY | 6 |
| 6. EQUIPMENT UNDER TEST | 7 |
| 6.1. DESCRIPTION OF EUT | 7 |
| 6.2. MAXIMUM PEAK RADIATED E-FIELD | 7 |
| 6.3. WORST-CASE CONFIGURATION AND MODE | 7 |
| 6.4. DESCRIPTION OF TEST SETUP | 8 |
| 7. TEST AND MEASUREMENT EQUIPMENT | 9 |
| 8. OCCUPIED BANDWIDTH | 11 |
| 9. RADIATED EMISSION TEST RESULTS | 13 |
| 9.1. LIMITS AND PROCEDURE | 13 |
| 9.2. TX FUND AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz | 14 |
| 9.3. TX SPURIOUS EMISSIONS 30 TO 1000 MHz | 15 |
| 10. AC MAINS LINE CONDUCTED EMISSIONS | 17 |
| 11. SETUP PHOTOS | 20 |
| END OF TEST REPORT | 20 |

1. ATTESTATION OF TEST RESULTS

| COMPANY NAME: | Stryker Instruments 1941 Stryker Way Portage, MI 49002, USA |
|----------------------|-------------------------------------------------------------------|
| EUT DESCRIPTION: | Sterile Batery Charger |
| MODEL: | System 9 |
| SERIAL NUMBER: | AB2212200669, AB2212200639 |
| SAMPLE RECEIVE DATE: | 2022-05-16 |
| DATE TESTED: | 2022-05-16 to 2022-05-25 |
| | APPLICABLE STANDARDS |

| APPLICABLE STANDARD | S |
|-----------------------|--------------------|
| STANDARD | TEST RESULTS |
| FCC PART 15 SUBPART C | Refer to Section 2 |

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document.

Approved & Released For UL LLC By: Prepared By:

Michal A

Michael Antola Staff Engineer UL LLC – Consumer Technology Division

21.4

Brian Kiewra Project Engineer UL LLC – Consumer Technology Division

2. TEST RESULTS SUMMARY

| FCC Clause | Requirement | Result | Comment | |
|----------------------------|---------------------------------|-------------|-------------------------------------------------------------------------------------------------|--|
| For reporting purpose only | Emissiong Bandwith | See comment | This is to demonstrate that the emission bandwiths do not encroach into restricted bands. | |
| 15.209, 15.205 | Radiated Emissions | Compliant | None. | |
| 15.207 | AC Mains Conducted Emissions | Compliant | None. | |

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC / OST MP-5, "FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment".

4. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, certification # 0751.06, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

| | Address | ISED CABID | ISED Company Number | FCC Registration | |
|---|------------------------------------------------------------------------------|------------|---------------------|------------------|--|
| | Building: 12 Laboratory Dr RTP, NC 27709, U.S.A | 1150067 | 2180C | 005074 | |
| X | Building: 2800 Perimeter Park Dr. Suite B Morrisville, NC 27560, U.S.A | 080067 | 27265 | 825374 | |

Page 5 of 20

5. DECISIONS RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. **DECISION RULES**

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement).

5.3. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided: Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB) 36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided: Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss. 36.5 dBuV + 0 dB +10.1 dB+ 0 dB = 46.6 dBuV

5.4. **MEASUREMENT UNCERTAINTY**

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| PARAMETER | UNCERTAINTY |
|------------------------------------------|-------------|
| Radio Frequency (Spectrum Analyzer) | 141.2 Hz |
| Occupied Channel Bandwidth | 1.22% |
| All emissions, radiated | 6.01 dB |
| Conducted Emissions (0.150-30MHz) - LISN | 3.40 dB |
| Temperature | 0.57°C |
| Humidity | 3.39% |
| DC Supply voltages | 1.70% |
| Time | 3.39% |

Uncertainty figures are valid to a confidence level of 95%.

6. EQUIPMENT UNDER TEST

6.1. **DESCRIPTION OF EUT**

The EUT is a sterile battery charge with NFC and WPT. This test report covers WPT testing.

6.2. MAXIMUM PEAK RADIATED E-FIELD

The transmitter has maximum peak radiated magnetic strength as follows:

| Fundamental Frequency (KHz) | Mode | E-field (300m distance) (dBuV/m) |
|-----------------------------------|----------------------|----------------------------------------|
| 125.5-133.9 | Charging 6 Batteries | 7.8 |

6.3. WORST-CASE CONFIGURATION AND MODE

The EUT is a sterile battery charger with wireless inductive charging. The EUT while charging six batteries is considered worst case. The following modes were investigated:

Small batteries, all 6 batteries in three 2 slot containers Small batteries, all 6 batteries with each individual battery in a bay Large batteries, all 6 batteries in three 2 slot containers Large batteries, all 6 batteries with each individual battery in a bay

All batteries were investigated offset and centered in individual bays and in containers.

Worst case was found to be large batteries, all 6 batteries with each individual battery in bay, with the batteries offset in corner of each bay. All testing performed in this configuration.

Also, EUT is intended to operate in one orientation. Therefore all testing performed with the EUT in the intended orientation of operation.

Page 7 of 20

6.4. **DESCRIPTION OF TEST SETUP**

SUPPORT EQUIPMENT

| Support Equipment List | | | | | | | |
|-------------------------------------------------|-----------------------|------------|----------------------|-------------|--|--|--|
| Description Manufacturer Model Serial Number FC | | | | | | | |
| Wi-Fi /Router | Wi-Fi /Router NETGEAR | | AC1750 59BF127WA35B6 | | | | |
| Fiberoptic Ethernet Transceivers | Pontus for Ethernet | N/A | 4682203210 | N/A | | | |
| Laptop | HP | 14-DK1xxx | 5CG016B4XM | N/A | | | |
| Laptop | HP | 11-ah112dx | 5CD8294MZY | N/A | | | |
| Router | Netgear | R6400v2 | 59BE0B74A5D4D | PY316200342 | | | |

I/O CABLES

| I/O Cable List | | | | | | | |
|--------------------------------------------------------|---|-------------------|------------|------------------------|---------|-------------------------------------------|--|
| Cable No.Port# of Identical PortsConne Typ | | Connector Type | Cable Type | Cable Length (m) | Remarks | | |
| 1 | 1 | 1 | Hardwired | Mains | 1m | Connects to AC mains | |
| 2 | 2 | 2 | Ethernet | Cat6A | 1m | Connect to laptop for test configuration. | |
| 3 | 3 | 2 | Ethernet | Cat6A | 1m | Connect to router | |

SETUP DIAGRAM

Refer to exhibit R14204340-EP3 for setup diagram.

Page 8 of 20

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

| Equipment ID | Description | Manufacturer | Model Number | Last Cal. | Next Cal. |
|-----------------|-----------------------------------------------------|---------------------|-----------------------------|------------|------------|
| 85496 | EMI Test Receiver 9kHz-3.6GHz | Rohde & Schwarz | ESR3 | 2021-08-17 | 2022-08-17 |
| CBL004 | Coaxial cable, 20 ft., BNC -male to BNC-male | UL | RG-223 | 2021-08-02 | 2022-08-02 |
| HI0093 | Temp/Humid/Press ure Meter | Extech | SD700 | 2021-08-11 | 2022-08-11 |
| SOFTEMI | EMI Software | UL | Version 9.5 | NA | NA |
| 206212 | Transient Limiter, 0.009 to 100 MHz | Electro-Metrics | EM 7600 | 2021-08-02 | 2022-08-02 |
| LISN001 | LISN, 50-ohm/50- uH, 250uH, 2- conductor, 25A | Fischer Custom Com. | FCC-LISN-50/250- 25-2-01 | 2021-08-16 | 2022-08-16 |

Test Equipment Used - Wireless Conducted Measurement Equipment

| Equipment ID | Description | Manufacturer/Brand | Model Number | Last Cal. | Next Cal. |
|-----------------|--------------------------|-----------------------|-----------------------------|------------|------------|
| SA0026 | Spectrum Analyzer | Keysight Technologies | N9030A | 2021-07-26 | 2022-07-26 |
| HI0090 | Environmental Meter | Fisher Scientific | 15-077-963 | 2021-07-12 | 2022-07-12 |
| SOFTEMI | Antenna Port Software | UL | Version 2022.5.4 | NA | NA |
| MM0167 | True RMS Multimeter | Keysight Technologies | U1232A | 2021-08-17 | 2023-08-17 |
| PS215 | AC Power Source | Elgar | CW2501M (s/n 1523A02397) | NA | NA |
| MM0165 | Multimeter | Agilent | U1232A | 2021-08-18 | 2022-08-18 |

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Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 2)

| Equipment ID | Description | Manufacturer/Brand | Model Number | Last Cal. | Next Cal. |
|-------------------|----------------------------------|----------------------|-----------------------------|-----------------|------------|
| 0.009-30MHz | | | | | |
| AT0079 | Active Loop Antenna | ETS-Lindgren | 6502 | 2021-08-19 | 2022-08-19 |
| 30-1000 MHz | | | | | |
| AT0073 | Hybrid Broadband Antenna | Sunol Sciences Corp. | JB3 | 2021-08-30 | 2022-08-30 |
| Gain-Loss Chains | 5 | | | | |
| C2-SAC01 | Gain-loss string: 0.009-30MHz | Various | Various | 2021-07-09 | 2022-07-09 |
| C2-SAC02 | Gain-loss string: 25-1000MHz | Various | Various Various | | 2022-07-09 |
| Receiver & Softwa | are | | | | |
| 197955 | Spectrum Analyzer | Rohde & Schwarz | ESW44 | 2022-03-08 | 2023-03-08 |
| SOFTEMI | EMI Software | UL | Version 9 | 9.5 (18 Oct 202 | :1) |
| Additional Equipr | nent used | | | | |
| PS216 | AC Power Source | Elgar | CW2501M (s/n 1045A04231) | NA | NA |
| H10093 | Temp/Humid/Pressu re Meter | Extech | SD700 | 2021-08-11 | 2022-08-11 |

Page 10 of 20

8. EMISSIONS BANDWIDTH

TEST PROCEDURE

The transmitter output is measured by a near field probe. The RBW shall be in the range of 1% to 5% of the actual emissions bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

20dB BW

| Вау | Frequency (kHz) | 20dB Bandwidth (KHz) |
|-----|--------------------|-------------------------|
| 1 | 126 | 1.368 |
| 2 | 127.5 | 1.383 |
| 3 | 129 | 1.397 |
| 4 | 130.5 | 1.413 |
| 5 | 132 | 1.429 |
| 6 | 133.5 | 1.442 |



Page 11 of 20



Page 12 of 20

9. RADIATED EMISSION TEST RESULTS

9.1. LIMITS AND PROCEDURE

<u>LIMITS</u>

FCC §15.209 (a)

| Frequency | Field Strength | Measurement Distance |
|---------------------------|---------------------------------|----------------------|
| (MHz) | (microvolts/meter) | (m) |
| 0.009–0.490 | 2400/F(kHz) | 300 |
| 0.490-1.705 | 24000/F(kHz) | 30 |
| 1.705–30.0 | 30 | 30 |
| 30–88 | 100 | 3 |
| 88 to 216 | 150 | 3 |
| 216 to 960 | 200 | 3 |
| Above 960 MHz | 500 | 3 |
| Note: The lower limit sha | II apply at the transition freq | uency. |

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

Resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasipeak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9-150kHz range. Peak detection is used unless otherwise noted as quasi-peak.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

KDB 414788 Open Field Site (OFS) and Chamber Correlation Justification

OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

Page 13 of 20

9.2. TX FUND AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz

Note for below 30 MHz scans: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were 40*Log (test distance / specification distance).



| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AT0059 (dB/m) | Cbl (dB) | Dist. Corr. Factor (dB) | Corrected Reading dB(uVolts/meter) | QP/AV Limit (dBuV/m) | PK Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Loop Angle |
|-----------|--------------------|----------------------------|-----|------------------|-------------|----------------------------|------------------------------------------|-------------------------|----------------------|----------------|-------------------|----------------|---------------|
| 13(Bay 1) | .12651 | 76.3 | Pk | 10.3 | .1 | -80 | 6.7 | 25.56 | 45.56 | -18.86 | 0-360 | 100 | 0 degs |
| 19(Bay 1) | .12651 | 70.99 | Pk | 10.3 | .1 | -80 | 1.39 | 25.56 | 45.56 | -24.17 | 0-360 | 100 | 90 degs |
| 1(Bay 1) | .12651 | 75.09 | Pk | 10.3 | .1 | -80 | 5.49 | 25.56 | 45.56 | -20.07 | 0-360 | 100 | Flat |
| 20(Bay 2) | .12807 | 74.5 | Pk | 10.3 | .1 | -80 | 4.9 | 25.46 | 45.46 | -20.56 | 0-360 | 100 | 90 degs |
| 14(Bay 2) | .12821 | 77.37 | Pk | 10.3 | .1 | -80 | 7.77 | 25.45 | 45.45 | -17.68 | 0-360 | 100 | 0 degs |
| 2(Bay 2) | .12835 | 74.96 | Pk | 10.3 | .1 | -80 | 5.36 | 25.44 | 45.44 | -20.08 | 0-360 | 100 | Flat |
| 15(Bay 3) | .12949 | 76.54 | Pk | 10.3 | .1 | -80 | 6.94 | 25.36 | 45.36 | -18.42 | 0-360 | 100 | 0 degs |
| 21(Bay 3) | .13006 | 71.89 | Pk | 10.3 | .1 | -80 | 2.29 | 25.32 | 45.32 | -23.03 | 0-360 | 100 | 90 degs |
| 3(Bay 3) | .13006 | 77.19 | Pk | 10.3 | .1 | -80 | 7.59 | 25.32 | 45.32 | -17.73 | 0-360 | 100 | Flat |
| 16(Bay 4) | .13105 | 74.76 | Pk | 10.3 | .1 | -80 | 5.16 | 25.26 | 45.26 | -20.1 | 0-360 | 100 | 0 degs |
| 22(Bay 4) | .13105 | 70 | Pk | 10.3 | .1 | -80 | .4 | 25.26 | 45.26 | -24.86 | 0-360 | 100 | 90 degs |
| 4(Bay 4) | .13105 | 74.44 | Pk | 10.3 | .1 | -80 | 4.84 | 25.26 | 45.26 | -20.42 | 0-360 | 100 | Flat |
| 5(Bay 5) | .13254 | 76.62 | Pk | 10.3 | .1 | -80 | 7.02 | 25.16 | 45.16 | -18.14 | 0-360 | 100 | Flat |
| 17(Bay 5) | .13261 | 76.09 | Pk | 10.3 | .1 | -80 | 6.49 | 25.15 | 45.15 | -18.66 | 0-360 | 100 | 0 degs |
| 23(Bay 5) | .13261 | 70.51 | Pk | 10.3 | .1 | -80 | .91 | 25.15 | 45.15 | -24.24 | 0-360 | 100 | 90 degs |
| 18(Bay 6) | .1341 | 75.59 | Pk | 10.3 | .1 | -80 | 5.99 | 25.06 | 45.06 | -19.07 | 0-360 | 100 | 0 degs |
| 24(Bay 6) | .1341 | 70.98 | Pk | 10.3 | .1 | -80 | 1.38 | 25.06 | 45.06 | -23.68 | 0-360 | 100 | 90 degs |
| 6(Bay 6) | .1346 | 77.4 | Pk | 10.3 | .1 | -80 | 7.8 | 25.02 | 45.02 | -17.22 | 0-360 | 100 | Flat |
| 7 | .62913 | 52.62 | Pk | 10.2 | .2 | -40 | 23.02 | 31.63 | - | -8.61 | 0-360 | 100 | 0 degs |
| 9 | .62913 | 48.72 | Pk | 10.2 | .2 | -40 | 19.12 | 31.63 | - | -12.51 | 0-360 | 100 | Flat |
| 8 | .63334 | 49.56 | Pk | 10.2 | .2 | -40 | 19.96 | 31.57 | - | -11.61 | 0-360 | 100 | 90 degs |
| 12 | .88209 | 43.29 | Pk | 10.2 | .2 | -40 | 13.69 | 28.69 | - | -15 | 0-360 | 100 | 0 degs |
| 11 | .88209 | 41.44 | Pk | 10.2 | .2 | -40 | 11.84 | 28.69 | - | -16.85 | 0-360 | 100 | 90 degs |
| 10 | .88209 | 39.63 | Pk | 10.2 | .2 | -40 | 10.03 | 28.69 | - | -18.66 | 0-360 | 100 | Flat |

Pk - Peak detector

Page 14 of 20

9.3. TX SPURIOUS EMISSIONS 30 TO 1000 MHz



Page 15 of 20

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AT0073 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | FCC Limit | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|--------------------|----------------------------|-----|------------------|-----------------|----------------------------------|-----------|----------------|-------------------|----------------|----------|
| 9 | * **121.665 | 44.11 | Pk | 20 | -30.2 | 33.91 | 43.5 | -9.59 | 0-360 | 101 | V |
| 3 | 40.3531 | 45.24 | Qp | 19.5 | -31.2 | 33.54 | 40 | -6.46 | 210 | 108 | V |
| 4 | 96.639 | 51.41 | Pk | 15.4 | -30.7 | 36.11 | 43.5 | -7.39 | 0-360 | 101 | V |
| 5 | 98.4271 | 52.92 | Qp | 15.9 | -30.4 | 38.42 | 43.5 | -5.08 | 360 | 109 | V |
| 6 | 101.87892 | 52.14 | Qp | 17 | -30.4 | 38.74 | 43.5 | -4.76 | 360 | 110 | V |
| 7 | 104.69 | 49.59 | Pk | 17.7 | -30.5 | 36.79 | 43.5 | -6.71 | 0-360 | 101 | V |
| 8 | 106.63 | 48.55 | Pk | 18.2 | -30.3 | 36.45 | 43.5 | -7.05 | 0-360 | 101 | V |
| 1 | 106.727 | 40.86 | Pk | 18.2 | -30.3 | 28.76 | 43.5 | -14.74 | 0-360 | 299 | Н |
| 2 | 151.541 | 43.05 | Pk | 18.5 | -29.9 | 31.65 | 43.5 | -11.85 | 0-360 | 199 | Н |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band ** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

Qp - Quasi-Peak detector

Page 16 of 20

10. AC MAINS LINE CONDUCTED EMISSIONS

LIMITS

§15.207 (a)

| Frequency of emission | Conducted Limit (dBµV) | | | | | | |
|--------------------------------------------------|------------------------|-----------|--|--|--|--|--|
| (MHz) | Quasi-peak | Average | | | | | |
| 0.15 to 0.50 | 66 to 56* | 56 to 46* | | | | | |
| 0.50 to 5 | 56 | 46 | | | | | |
| 5 to 30 | 60 | 50 | | | | | |
| * Decreases with the logarithm of the frequency. | | | | | | | |

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 9 kHz above 150kHz and 200Hz below 150kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

RESULTS

Page 17 of 20

LINE 1 RESULTS



| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN001 (dB) | CBL004_206212 (dB) | Corrected Reading dB(uVolts) | QP (dBuV) | Margin (dB) | AV (dBuV) | Margin (dB) |
|--------|--------------------|----------------------------|-----|--------------|-----------------------|------------------------------------|-----------|----------------|-----------|----------------|
| 3 | .168 | 22.66 | Ca | .1 | 9.8 | 32.56 | - | - | 55.06 | -22.5 |
| 5 | .2805 | 28.86 | Ca | .1 | 9.8 | 38.76 | - | - | 50.8 | -12.04 |
| 7 | .39975 | 27.26 | Ca | .1 | 9.8 | 37.16 | - | - | 47.86 | -10.7 |
| 9 | .6675 | 21.39 | Ca | .1 | 9.8 | 31.29 | - | - | 46 | -14.71 |
| 11 | .81375 | 11.22 | Ca | .1 | 9.8 | 21.12 | - | - | 46 | -24.88 |
| 13 | 16.2285 | 24.8 | Ca | .1 | 10.1 | 35 | - | - | 50 | -15 |
| 2 | .1635 | 37.24 | Qp | .1 | 9.8 | 47.14 | 65.28 | -18.14 | - | - |
| 4 | .27825 | 30.77 | Qp | .1 | 9.8 | 40.67 | 60.87 | -20.2 | - | - |
| 6 | .39975 | 28.07 | Qp | .1 | 9.8 | 37.97 | 57.86 | -19.89 | - | - |
| 8 | .66525 | 26.24 | Qp | .1 | 9.8 | 36.14 | 56 | -19.86 | - | - |
| 10 | .81375 | 23.19 | Qp | .1 | 9.8 | 33.09 | 56 | -22.91 | - | - |
| 12 | 16.2285 | 29.5 | Qp | .1 | 10.1 | 39.7 | 60 | -20.3 | - | - |

Qp - Quasi-Peak Detector Ca - CISPR Average Detection

LINE 2 RESULTS



| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN001 (dB) | CBL004_206212 (dB) | Corrected Reading dB(uVolts) | QP (dBuV) | Margin (dB) | AV (dBuV) | Margin (dB) |
|--------|--------------------|----------------------------|-----|--------------|-----------------------|------------------------------------|-----------|----------------|-----------|----------------|
| 2 | .168 | 23.09 | Ca | .1 | 9.8 | 32.99 | - | - | 55.06 | -22.07 |
| 4 | .2805 | 28.74 | Ca | .1 | 9.8 | 38.64 | - | - | 50.8 | -12.16 |
| 6 | .39975 | 26.91 | Ca | .1 | 9.8 | 36.81 | - | - | 47.86 | -11.05 |
| 8 | .6675 | 20.07 | Ca | .1 | 9.8 | 29.97 | - | - | 46 | -16.03 |
| 10 | .81375 | 11.2 | Ca | .1 | 9.8 | 21.1 | - | - | 46 | -24.9 |
| 12 | 12.8085 | 24.21 | Ca | .1 | 10.1 | 34.41 | - | - | 50 | -15.59 |
| 1 | .1635 | 37.29 | Qp | .1 | 9.8 | 47.19 | 65.28 | -18.09 | - | - |
| 3 | .27825 | 30.58 | Qp | .1 | 9.8 | 40.48 | 60.87 | -20.39 | - | - |
| 5 | .39975 | 27.84 | Qp | .1 | 9.8 | 37.74 | 57.86 | -20.12 | - | - |
| 7 | .663 | 25.28 | Qp | .1 | 9.8 | 35.18 | 56 | -20.82 | - | - |
| 9 | .81375 | 23.12 | Qp | .1 | 9.8 | 33.02 | 56 | -22.98 | - | - |
| 11 | 12.8085 | 29.78 | Qp | .1 | 10.1 | 39.98 | 60 | -20.02 | - | - |

Qp - Quasi-Peak Detector

Ca - CISPR Average Detection

11. SETUP PHOTOS

Refer to exhibit R14204340-EP3 for setup photos.

END OF TEST REPORT

Page 20 of 20